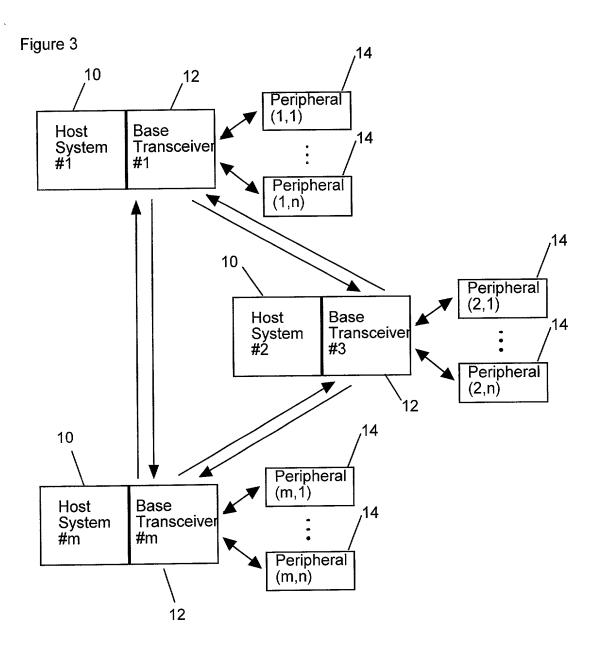


Peripheral #n (Pn)

86



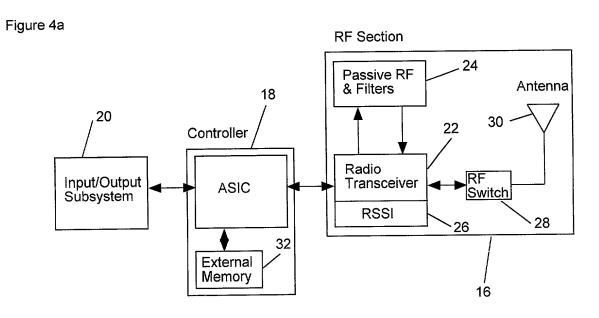


FIG. 4b Peripheral

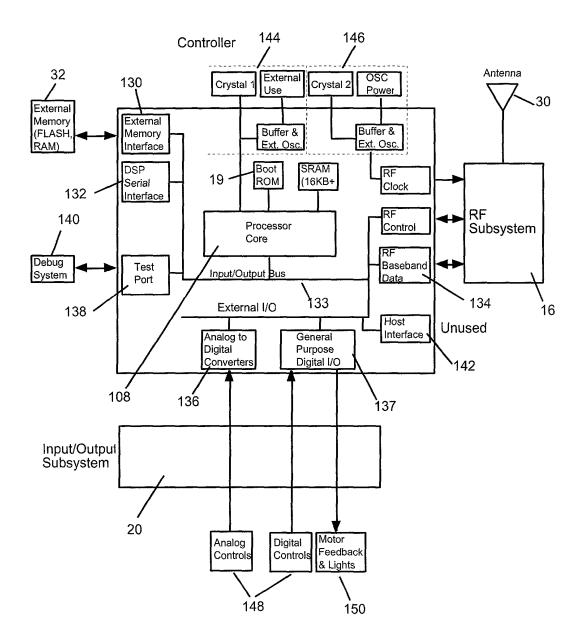


FIG. 4c Base Transceiver Subsystem

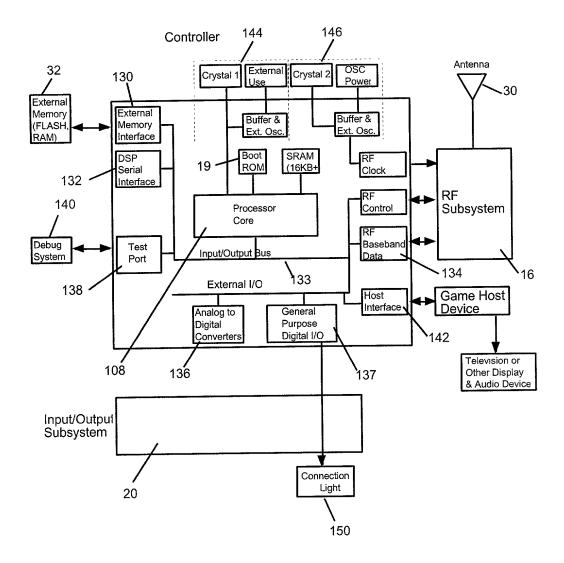
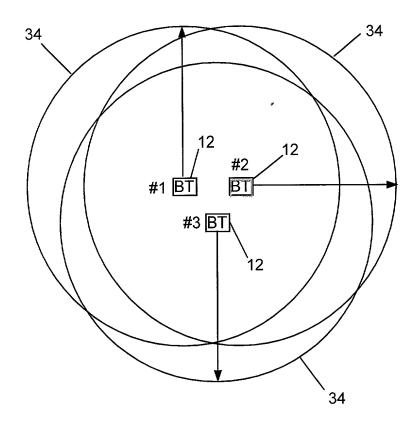


Figure 5



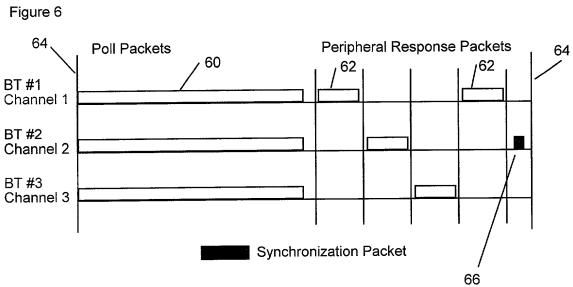


Figure 7

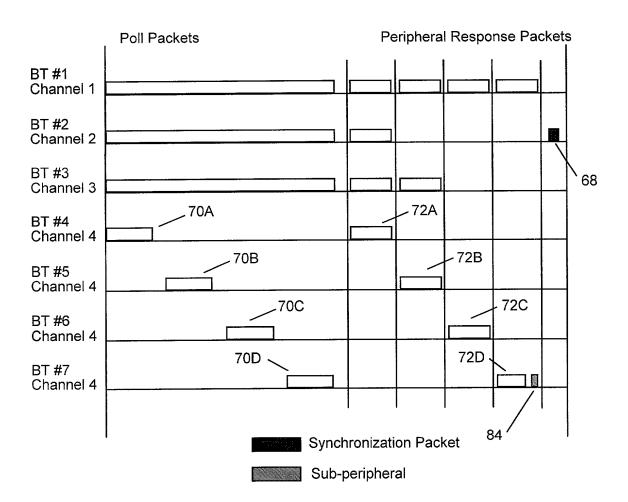
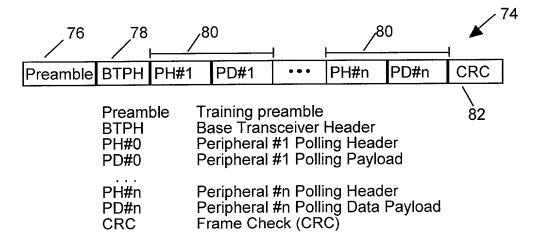


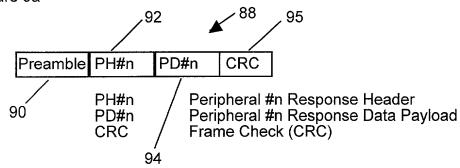
Figure 8a



## Figure 8b

```
POLL Packet
      PREAMBLE
      POLL HEADER (3 byte)
            START Code
            POLL Packet Identifier
            POLL Packet Length
            Message Type - e.g. JOIN type
            Message Data
            SYNC Sequence Type
            SYNC Sequence Pointer
            BT Sync Period
            BT ID Number
            BT Subslot Number
            Channel Hop Sequence Type
            Channel Hop Sequence Pointer
            Channel Hop Rate - every 1 to n volleys
            RESERVED
            Peripheral Field Identifier
            Peripheral Field Length
      P1 Header - P1, mating ID, data field length
      P1 Data
      Pn Header
      Pn Data
      CRC
```





## Figure 9b

RESPONSE Packet
PREAMBLE
RESPONSE HEADER (3byte)
START Code
RESPONSE Packet Identifier
RESPONSE Packet Length
Short Form Mating ID
RESERVED
RESPONSE DATA PAYLOAD
Message Type
Message Length
Message Data
CRC

Figure 10

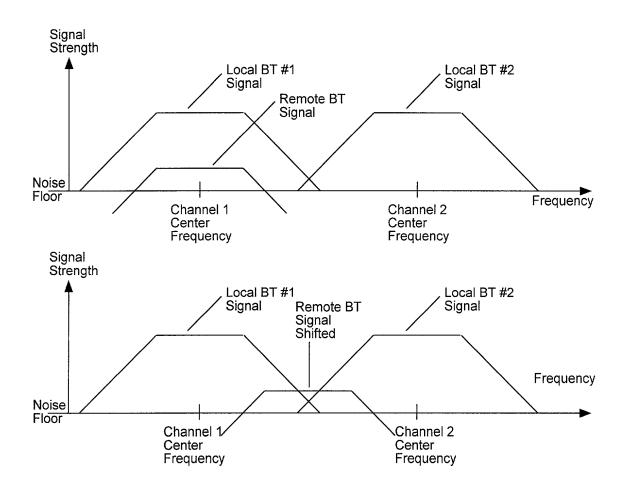
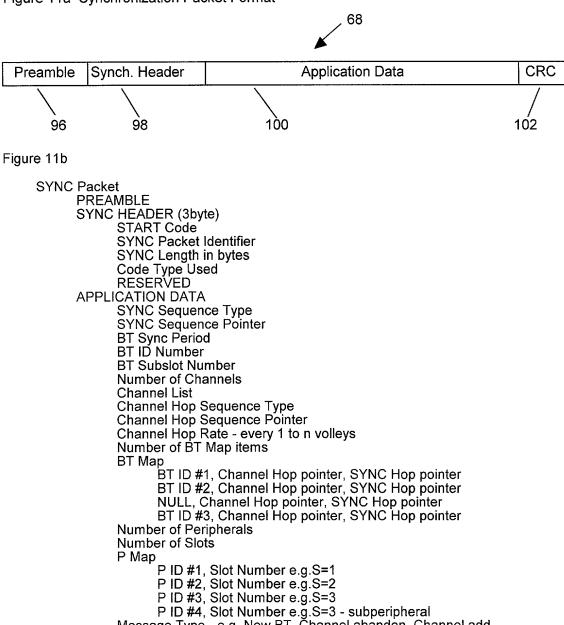


Figure 11a Synchronization Packet Format



Message Type - e.g. New BT, Channel abandon, Channel add

Message Data

**CRC** 

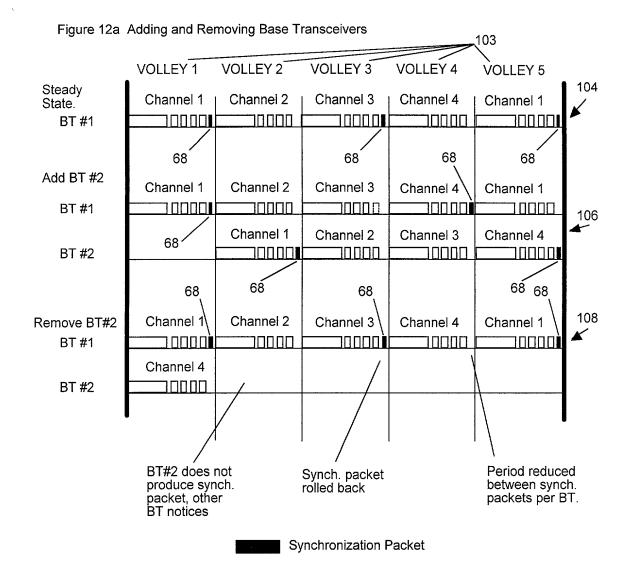


Figure 12b Adding a Base Transceiver - State Information

	OPERATING PARAMETERS	STATE INFORMATION PER POLLING VOLLEY				
250 —	Polling Volley Number	1	2	3	4	5
252	SYNC Channel	1	1	1	4	4
254	BT Map BT #1	BT #1,1,1 NULL,4,4	BT #1,2,2 NULL,1,1	BT #1,3,3 BT #2,2,2 NULL,1,1	BT #1,4,4 BT #2,3,3 NULL,2,2	BT #1,1,1 BT #2,4,4 NULL,3,3
256	BT Map BT #2	No map, just listening	BT #1,2,2 BT #2,1,1 NULL,4,4	BT #1,3,3 BT #2,2,2 NULL,1,1	BT #1,4,4 BT #2,3,3 NULL,2,2	BT #1,1,1 BT #2,4,4 NULL,3,3
258—	BT #1 SYNC Period	. 2	2	3	3	3
260	BT#2 SYNC Period	None, listening	3	3	3	3
262	Listening BTs	BT #2	BT #1	BT #1, BT #2	BT #2	BT #1
264	SYNC Packet Broadcasting BTs	BT #1	BT #2	Listen to NULL freq	BT #1	BT #2
266 —	SYNC Message BT #1	None	None	None	None	None
268	SYNC Message BT #2	None	New BT	None	None	None

Figure 13

## PROTOCOL LAYERS

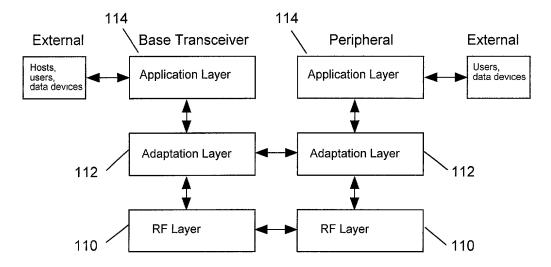


Figure 14

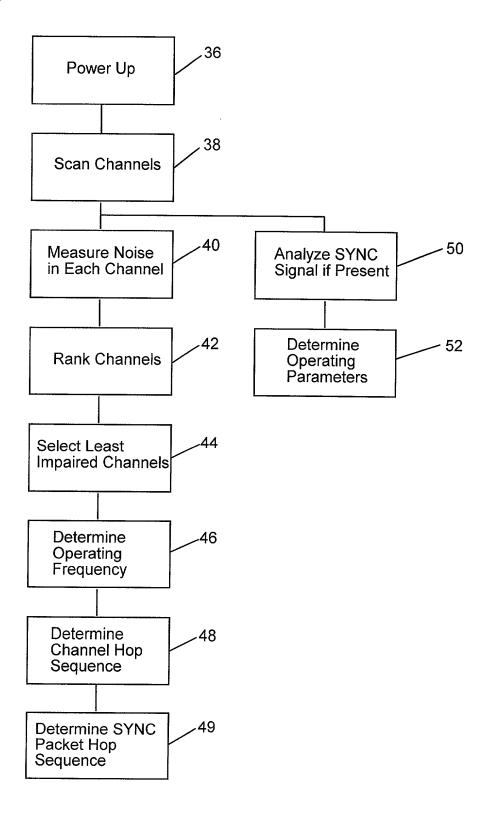


Figure 15

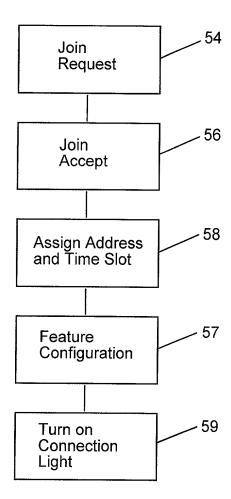


Figure 16 Resize Operation

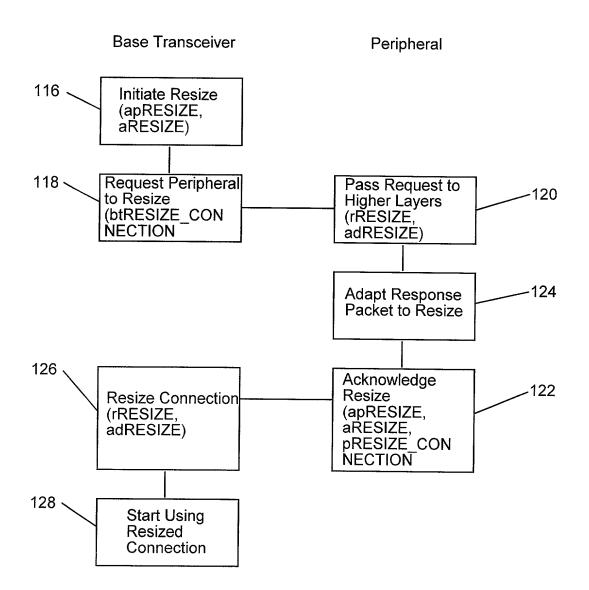


Figure 17 Bit & Word Synchronization

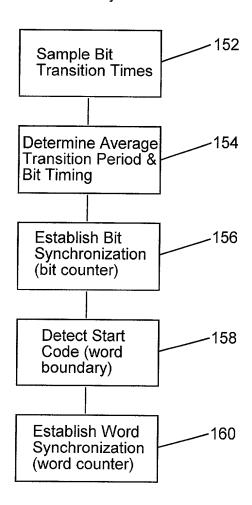


Figure 18 BT Polling Synchronization

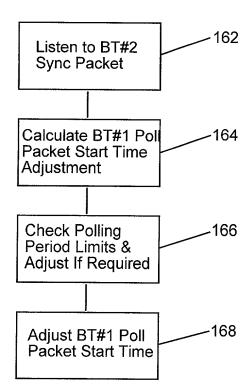


Figure 19 Base Transceivers Sharing a Channel

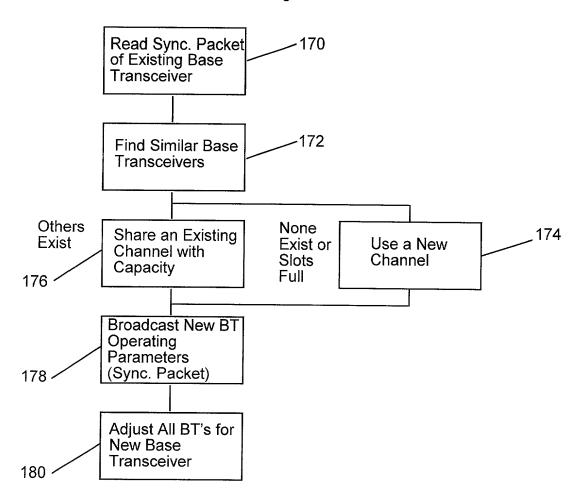


Figure 20 Manual Time Slot Change

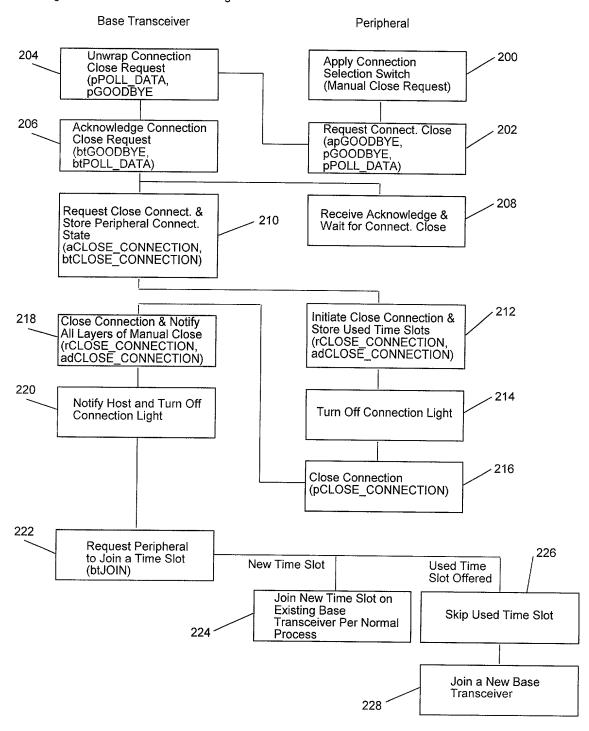


Figure 21 Bit Error Adaptation

